REFERENCES

1. Lian-Dong Hu, Yang Liu, Xing Tang, Qian Zhang. (2006), Preparation and in vitro/in vivo evaluation of sustained-release metformin hydrochloride pellets.European Journal of Pharmaceutics and Biopharmaceutics,64, 185-192.
2. Akhlaq M.D, NitinSaigal.(2009), Recent advances in pelletization for oral drug delivery : A review. Current Drug Delivery, 6,122-129.
3. ThirumlaGovender,Cassim M. Dangor, Dushendra.(1995), Drug release and surface morphology studies on salbutamol controlled release pellets. Drug Development and Industrial Pharmacy, 21,1303-1322.
4. Hiren P. Patel, J. K. Patel, Ravi R. Patel, Manish P. Patel.(2010), Pellets: A general Overview.I.J.P.W.R., 1, 1-15.
5. Shun Por Li, Kenneth M. Feld, Chana R.Kowarski. (1997), The effect of polymer coating systemson the preparation, tableting and dissolution properties of sustained release drug pellets.Drug Development and Industrial Pharmacy, 23, 623-631.
6. T. Karunakar Reddy, V. Rajesh Babu, Aleem M.A, Mohib Khan, SyedaRanaNikhat. (2010), Design and Evaluation of pH sensitive delayed release malti-particulate System of esomeprazole. Int. J. Pharm. Sci. Bio., 1, 145-149.
7. Sergey Kucheryavski, Kim H. Esbensen ,AndreyBogomolov.(2010), Monitoring of pellet coating process wit image analysis- a feasibility study. J. Chemometrics, 24, 472-480.
8. Chavanpatil, M.D., Jain, P., Chaudhari, S., Shear, R., Vavia, P.R. (2006), Novel sustained release, swellable and bioadhesivegastroretentive drug delivery systemfor ofloxacin. Int. J. Pharm, 316, 86-92.
9. Chavanpatil, M.D., Jain, P., Chaudhari, S., Shear, R., Vavia, P.R. (2005), Development of sustained release gastroretentive drug delivery system for ofloxac: in vitro and in vivo evaluation. Int. J. Pharm, 304, 178–184.
10. Devay, A., Mayer, K., Pal, S., Antal, I. (2006), Investigation on drug dissolution andparticle characteristics of pellets related to manufacturing process variables ofhigh-shear granulation. J. Biochem. Biophys. Methods 69, 197-205.
11. Fresta, M., Guccione, S., Beccari, A.R., Furneri, P.M., Puglisi, G.(2002), Combining molecular modeling with experimental methodologies: mechanism of membranepermeation and accumulation of ofloxacin. Bioorg. Med. Chem, 10,3871-3889.

12. Funfstuck, R., Wolfram, M., Gerth, J., Schubert, K., Straube, E., Stein, G. (1999),The influence of ofloxacinon the parasite–host inter-relationshipin patients with chronic urinary tract infection. Int. J. Antimicrob. Agents, 11,297-303.
13.Hemati, M., Cherif, R., Saleh, K., Pont, V. (2003), Fluidized bed coating and granulation: influence of process-related variables and physicochemical properties on thegrowth kinetics. Powder Technol, 130, 18-34.
14. Hu, L.D., Liu, Y., Tang, X., Zhang, Q. (2006), Preparation and in vitro/in vivo evaluation of sustained-release metformin hydrochloride pellets. Eur. J. Pharm. Biopharm,64, 185–192.
15. Huyghebaert, N., Vermeire, A., Remon, J.P. (2005), In vitro evaluation of coatingpolymers for enteric coating and human ileal targeting. Int. J. Pharm,298,26-37.
16. Knop, K. (1996), Influence of buffer solution composition on drug release from pellets coated with neutral and quaternary acrylic polymers and on swelling of freepolymer films. Eur. J. Pharm. Sci., 4, 293-300.
17. Mouton, Y., Leroy, O.(1991),Ofloxacin. Int. J. Antimicrob. Agents, 1, 57-74.
18. Okhamafe, A.O., Akerele, J.O. (1989),Some aspects of the bioavailability of orally administeredofloxacin in healthy human volunteers. Int. J. Pharm., 50,83-86.
19. Okonogi, S., Oguchi, T., Yonemochi, E., Puttipipatkhachorn, S., Yamamoto, K. (1997), Improved dissolution of ofloxacin via solid dispersion. Int. J. Pharm., 156, 175-180.
20. Rashid, H.A., Heinamaki, J., Antikainen, O., Yliruusi, J. (200), Influence of the centrifugal granulating process on the properties of layered pellets. Eur. J. Pharm.Biopharm., 51, 227-234.
21. Song, H.T., Guo, T., Zhang, R.H., Zheng, C.L., Ma, Y., Li, X., Bi, K.S., Tang, X. (2002), Preparation of the traditional Chinese medicine compound recipe heartprotecting musk pH-dependent gradient-release pellets. Drug Dev. Ind. Pharm.,28, 1261-1273.
22. Tomer, G., Podczeck, F., Newton, J.M.(2002), The influence of model drugs on the preparation of pellets by extrusion/spheronization: II spheronization parameters.Int. J. Pharm., 231, 107-119.
23. Zhang, X.R., Chen, X.Y., Hu, L.D., Tang, X., Li, S.M., Zhong, D.F.(2005), Evaluation of in-vitro dissolution and in-vivo absorption for two different film-coated pelletsof clarithromycin. Arch. Pharmacal. Res., 28, 977-982.
24. Zivanovic, Lj.,Zigic, G., Zecevic, M. (2006), Investigation of chromatographic conditionsfor

the separation of ofloxacin and its degradation products. J. Chromatogr., A 1119, 224-230.
25. A.E. Lundqvist, F. Podczeck, J.M. Newton. (1998), Compaction of, and drugrelease from, coated drug pellets mixed with other pellets. Eur. J.Pharm. Biopharm, 46, 369-379.
26. K.G. Majid, J.B. Zhu. (1998), Ibuprophen release kinetics from controlledreleasetablets granulated with aqueous polymeric dispersion of ethylcelluloseII: in¯uence of several parameters and coexcipients. J. Control Release, 56, 127-134.
27. B.C. Lippold, W. Gunder, B.H. Lippold. (1999), Drug release from diffusionpellets coated with theaqueous ethylcellulose dispersion AquacoatECD-30 and 20% dibutylsebacate as plasticizer: partition mechanismand pore diffusion. Eur. J. Pharm. Biopharm, 47- 27-32.
28. C. Vecchio, F. Fabiani, M.E. Sangalli, L. Zema, A. Gazzaniga. (1998), Rotary tangential spraytechnique for aqueous flm coating of indobufenpellets. Drug Dev. Ind. Pharm. 24, 269-274.
29.E.N. Griffn, P.J. Niebergall.(1999), Release kinetics of a controlled-releasemultiparticulate dosagefrom prepared using a hot-melt fluid bed coatingmethod. Pharm. Dev. Technol., 4,117-124.
30.M.L. Lorenzo-Lamosa, C. Remunan-Lopez, J.L. Vila-Jato, M.J.Alonso. (1998),Design of microencapsulated chitosan microspheres for colonicdrug delivery. J. Control Release, 52 109-118.
31. O.A. Lake, M. Olling, D.M. Barends. (1999), In vitro/in vivo correlations ofdata of carbamazepine immediate release tablets with pharmacokineticdata obtained in healthy volunteers. Eur. J. Pharm. Biopharm., 48-13-19.
32. S. Sabnis, C.M. Adeyeye.(1999), Controlled-release hydrophilic tablets for individualized theophylline therapy. Drug Dev. Ind. Pharm., 25- 187-196.
33. V. Pillay, R. Fassihi. (1998),Evaluation and comparison of dissolution dataderived from differentmodified release dosage forms: an alternativemethod.J. Control Release, 55, 45-55.
34. A. Von-Nieciecki, W.S. Fuchs, G. Pabst, M. Mueller, C. Dilger, S.Gay, A. Laicher, F. Stanislaus.(1998), In vivo verifcation of in vitro releasespecifcations of a theophylline sustained-release preparation.Arzneimittelforschung,48,580-583.
35. W.S. Fuchs, A. Von-Nieciecki, K.H. Molz, G. Popescu, A. Weil, M.F.Barkworth, S. Gay, A. Laicher, F. Stanislaus.(1996), Effect of gallbladdercontraction induced cholagogia on the pharmacokinetic profile of asustained-release theophylline formulation. Arzneimittelforschung,

46, 1120-1126.
36.Abbaspour M.R, Sadeghi F, AfrasiabiGarekani H.(2005), Preparation andcharacterization of ibuprofen pellets based on Eudragit RS PO and RLPO or their combination. Int. J.Pharm.,303, 88-94.
37.Sinha V.R, Agrawal M.K, Kumria R.(2005), Influence of formulation andexcipient variables on the pellet properties prepared by extrusionspheronization. C. Drug Del.,5, 1-8.
38. Zheng W., McGinity J.W. (2003), Influence of Eudragit NE 30 D Blendedwith Eudragit L 30D-55 on the Release of PhenylpropanolamineHydrochloride from Coated Pellets. Drug dev., Industrial Pharmacy, 29,357-366.
39. Shimono N., Ueda M., Nakamura Y.(2002), Design of Controlled ReleaseSystem with Multi-layersof Powder. Chem. Pharm. Bull.,50,1169-1175.
40. Korsmeyer R.W., Gurny R., Doelker E., Buri P., Peppas N.A.(1983), Mechanismsof solute releasefrom porous hydrophilic polymers. Int. J.Pharm., 15, 25-35.
41. Siepmann J., Peppas N.A.(2001), Modeling of drug release from delivery systems based on hydroxypropyl methylcellulose (HPMC).Adv. DrugDeliv. Rev., 48, 139-157.

Submitted By

SHEIKH MOHAMMAD AIJAZ
Registration No.: 91010325

Research Supervisor

DR. AQUIL-UR-RAHIM SIDIQUI
Ph. D. - Pharmacy